



# AFCTN Test Report 94-132

AFCTB-ID  
94-079



## TMSS Parsing Test



## MIL-M-87929A, Appendix J, Parachute Packing Procedures



## Document Type Definition



## MAXIMA Corporation

DISA Contract #DCA100-93-D-0065

## Quick Short Test Report

22 June 1994



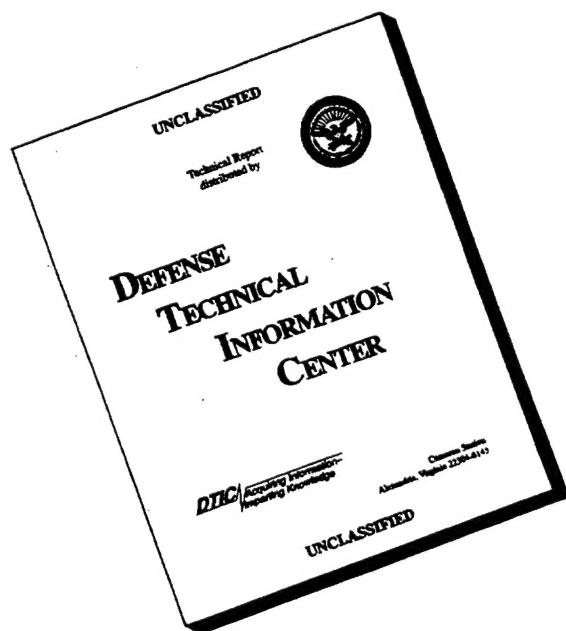
*Prepared for*  
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Air Force CALS Program Office  
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19960321 111

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**AFCTN Test Report**  
**94-132**

**AFCTB-ID**  
**94-079**

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**TMSS Parsing Test**  
**MIL-M-87929A, Appendix J,**  
**Parachute Packing Procedures**  
**Document Type Definition**  
**For:**  
**MAXIMA Corporation**  
**DISA Contract #DCA100-93-D-0065**

**Quick Short Test Report**

**22 June 1994**

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# **Air Force CALS Test Bed**

## ***Notification of Test Results***

**22 June 1994**

This notice documents the results of an Air Force CALS Test Bed (AFCTB) Quick Short Test Report (QSTR) evaluation of data submitted by:

### **MAXIMA Corporation**

Identified as follows:

Title:	<b>MIL-M-87929A, Appendix J, Parachute Packing Procedures, DTD Parsing Test</b>
Program:	<b>DISA</b>
Program Office:	<b>DISA</b>
Contract No.:	<b>DCA100-93-D-0065</b>
QSTR No.:	<b>AFCTB-ID 94-079</b>

Received on the following media:   **3.5" Diskette**

The results of the QSTR evaluation are as follows:

MIL-STD-1840A Media Format:	<b>N/A</b>
MIL-D-28000A IGES:	<b>N/A</b>
MIL-M-28001B SGML:	<b>Fail</b>
MIL-R-28002A Raster:	<b>N/A</b>
MIL-D-28003 CGM:	<b>N/A</b>

Formal results with associated disclaimer are documented and available from the AFCTB.

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## 1. Introduction

### 1.1 Background

The Department of Defense (DoD) Air Force Continuous Acquisition and Life-cycle Support (CALS) Test Network (AFCTN) is conducting tests of the military standard for the Automated Interchange of Technical Information, MIL-STD-1840A, and its companion suite of military specifications. The AFCTN is a DoD sponsored confederation of voluntary participants from industry and government managed by the Electronic Systems Center (ESC).

The primary objective of the AFCTN is to evaluate the effectiveness of the CALS standards for technical data interchange and to demonstrate the technical capabilities and operational suitability of those standards. Two general categories of tests are performed to evaluate the standards; formal and informal.

Formal tests are large and comprehensive, which follow a written test plan, require specific authorization from the DoD, and may take months to prepare, execute, and report.

Informal tests are quick and short, used by the AFCTN technical staff, to broaden the testing base. They include representative samples of the many systems and applications used by AFCTN participants. They also allow the AFCTN staff to gain feedback from many industry and government interpretations of the standards, to increase the base of participation in the CALS initiative, and respond to the many requests for help that come from participants. Participants take part voluntarily, benefit by receiving an evaluation of their latest implementation (interpretation) of the standards, interact with the AFCTN technical staff, gain experience using the standards, and develop increased confidence in them. The results of informal tests are reported in Quick Short Test Reports (QSTRs) that briefly summarize the standard(s) tested, the hardware and software used, the nature of the test, and the results.

---

## 1.2 Purpose

The purpose of this informal test is to analyze Air Force Document Type Definitions (DTDs) for Standard Generalized Markup Language (SGML) syntax, using several commercial and public domain SGML parsers, prior to placing them in the Defense Information Systems Agency (DISA) Asset Source for Software Engineering Technology (ASSET) repository.



## 2. Test Parameters

**Test Plan:** AFCTB 94-079

**Date of Evaluation:** 22 June 1994

**Evaluator:** George Elwood  
Air Force CALS Test Bed  
DET 2 HQ ESC/AV-2P  
4027 Colonel Glenn Hwy  
Suite 300  
Dayton OH 45431-1672

**Data Originator:** Kay Hill  
MAXIMA Corporation  
2372 Lakeview Drive  
Beavercreek OH 45431  
(513) 427-5888

**Data Description:** Technical Manual Test  
1 DTD

**Data Source System:**

Text/SGML  
SOFTWARE  
Unknown

**Evaluation Tools Used:**

MIL-M-28001 (SGML)  
PC 486/50  
Exoterica XGMLNormalizer v1.2e3.2  
Exoterica Validator v2.2 ex1  
McAfee & McAdam Sema Mark-it v2.3  
Public Domain sgmls 1.1

**Standards Tested:** MIL-M-28001B

### 3. 1840A Analysis

#### 3.1 External Packaging

The 3.5" diskette was hand delivered to the Air Force CALS Test Bed (AFCTB). It was not enclosed in any type of container.

The files received by the AFCTB were not MIL-STD-1840A. The files were not named per the standard conventions, as the stated purpose of the evaluation was the basic data structure.

### 4. SGML Analysis

The AFCTB has several parsers available for evaluating submitted DTD and text files. These tools are not used to generate a pass/fail but to report how commercially available software can handle the files. These products are used in the development of technical publications and are good indicators of usability. The use of these products is not an endorsement nor an indication of CALS capability. All operations were performed using the default settings unless specified in the report.

The goal was to configure the DTD under analysis as it would normally be used. However, for this analysis it was necessary to modify the DTD adding the "DOCTYPE doc [" statement to the start and the companion ">" to the end of the DTD under evaluation, as stated in the comments of the DTD. If the parser did not support a formal file pointing to the location of the ISO character sets, this was added.

The DTD under evaluation MIL-M-87929A, Appendix J, Parachute Packing Procedures, called a sequence of companion DTDs, each in turn, as illustrated by the diagram below. These DTDs were delivered on the same diskette as the DTD to be evaluated. The DTDs were not changed except to point to the succeeding DTD in the sequence and to insert the location of the ISO character set files in the D784CB0.A3 DTD.

---

<!-- MIL-M-87929A Parachute Packing Procedures DTD -->

D929AJ0.ORG --> D929AA0.ORG —> D807BA0.A1

└─> D784CB0.A3

The following notes apply to the parsing analysis as indicated in the ensuing paragraphs.

Note 1. Entity parameters defined more than once is a vaild SGML construct. The duplicate definition errors and/or warnings in this analysis do not indicate any problems.

Note 2. The occurrences of warnings "references defined, but not used," appeared because portions of the called DTD, i.e., MIL-M38784C, were not used. They were not used because the entity definitions of the DTD under analysis altered the execution path in the called DTD. The warnings in this analysis do not indicate any problems.

## 4.1 Exoterica Validator

The DTD file was evaluated using the Exoterica Validator exl parser. The basic DTD was modified by placing the concrete syntax file and "<!DOCTYPE doc [" at the start and the "]">" at the end. No errors were reported by the parser. The TOTAL CAPACITY was increased to 275000 for this set of DTDs after receiving messages about exceeding capacities.

The parser reported 59 total warnings of three types. The first type warnings were parameter entity declared more than once. See Note 1 above.

```
<!-- **Warning** in "c:\ws\807b.dtd" (entity "%m38807b"), line 31,
      used in "c:\ws\929a.dtd" (entity "%m87929a"), line 205,
      used in "\xgml\9479.dtd", line 109:
```

```
A parameter entity name has been declared more than once.
```

```
The entity is "%frnt".
```

```
<!ENTITY % frnt "(idinfo, lep, verstat?, contents)" >
```

```
----
```

```
-->
```

The second type warning relates to elements defined but not used in any content model. See Note 2 above.

```
<!-- **Warning** in "\xgml\9479.dtd", line 252:
  An element is not allowed in the document instance because it does not
  appear in any accessible content model or it is completely excluded.
  The element is "BODY".
-->
```

The third type warning was for an element used but not defined. This warning indicates an error in the DTD syntax.

```
<!-- **Warning** in "\xgml\9479.dtd", line 252:
  An element name specified in a USEMAP declaration, ATTLIST declaration or
  content model is not defined by an ELEMENT declaration.
  The element name is "UNIT".
-->
```

## 4.2 Exoterica XGML Normalizer

The DTD file was parsed using the Exoterica *XGMLNormalizer* parser. The concrete syntax and "<!DOCTYPE doc [" were added to the start and "]">" to the end of the file. One warning was issued by this utility for an element used but not defined. This warning indicates an error in the DTD syntax.

```
C:\XGML\XGMLNORM.EXE --
Warning on line 252 in file 9479.dtd:
An undeclared element name was used in a content model.
The element is 'UNIT'.
```

### 4.3 Public Domain sgmls

The DTD file was evaluated using the Public Domain *sgmls* v1.1 parser. The file was modified by adding the "<!DOCTYPE doc [" to the start and "]">" to the end of the file as stated in the comments in the DTD. The D929AA0.ORG, D807BA0.A1 and D784CB0.A3 files were used as the point to files. The parser reported one error. The reported error was a TOTCAP exceeded, which was reported as 250353.

sgmls: SGML error:  
Capacity limit TOTALCAP exceeded by 50353 points

The parser reported 21 total warnings of two types. The first type warning was for duplicate definitions. See Note 1 above.

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
Warning at c:\ws\807b.dtd, line 31 in declaration parameter 4:  
Duplicate specification occurred for "%frnt"; duplicate ignored

The second type warning relates to an element used but not defined. This warning indicates an error in the DTD syntax.

sgmls: Warning at \ws\9479.dtd, line 180 at record end:  
Element "UNIT" used in DTD but not defined.

## 4.4 Sema Mark-it

The DTD file was evaluated using McAfee & McAdam's *Sema Mark-it* v2.3 parser. The file was modified by adding the concrete syntax and "<!DOCTYPE doc [" to the start and "]">" to the end of the file. The parser reported errors that did not appear to be consistent with the rest of the parsers. The files used were the exact files parsed by the Exoterica parsers.

```
<!--*** file:\xgml\9479.dtd line:187 pos:6298
Unknown parameter entity name (wp) used in reference.
If name is spelt correctly check that the entity declaration in the DTD
contains a PERO (e.g. %) symbol followed by a space.-->
```

```
<!ELEMENT cleaningwp      - -  (%wp;, wpforewd, safesum?,
                                techinfo, swp*)
                                +(figure | table | foldout) >
<!ATTLIST cleaningwp      chgno NUMBER "0"
                                %bodyatt;
                                %secur; >
```

## 5. Conclusions and Recommendations

The file D929AJ0.ORG, MIL-M-87929A, Appendix J, Parachute Packing Procedures, does not conform to the SGML syntax of ISO Standard 8879, as required by the CALS MIL-M-28001B specification. This conclusion is derived from the parser test warnings which indicate elements are used that are not defined.

---

## 6. Appendix A - Detailed SGML Analysis

### 6.1 Exoterica Validator

```
<!-- **Warning** in "c:\ws\807b.dtd" (entity "%m38807b"), line 31,
      used in "c:\ws\929a.dtd" (entity "%m87929a"), line 205,
      used in "\xgml\9479.dtd", line 109:
      A parameter entity name has been declared more than once.
      The entity is "%frnt".
      <!ENTITY % frnt "(idinfo, lep, verstat?, contents)" >
      ----
-->
<!-- **Warning** in "c:\ws\807b.dtd" (entity "%m38807b"), line 45,
      used in "c:\ws\929a.dtd" (entity "%m87929a"), line 205,
      used in "\xgml\9479.dtd", line 109:
      A parameter entity name has been declared more than once.
      The entity is "%yesorno".
      <!ENTITY % yesorno "NUMBER" >
      -----

The entity is "%ipbforwd". -->
The entity is "%math".
The entity is "%mathtxt".
The entity is "%shortitleuse".
The entity is "%shortitle".
The entity is "%yesorno".
The entity is "%itemid".
The entity is "%content".
The entity is "%bodyatt".
The entity is "%list".
The entity is "%spcpara".
The entity is "%frnt".
The entity is "%fpi".
The entity is "%titles".
The entity is "%fig".
The entity is "%bodyele".
The entity is "%graphatt".
The entity is "%entryatt".
The entity is "%lrp".

<!-- **Warning** in "\xgml\9479.dtd", line 252:
      An element is not allowed in the document instance because it does not
      appear in any accessible content model or it is completely excluded.
      The element is "APPENDIX".
-->
```

---



<!-- \*\*Warning\*\* in "\xgml\9479.dtd", line 252:

An element is not allowed in the document instance because it does not appear in any accessible content model or it is completely excluded.  
The element is "BODY".

-->

The element is "CHAPTER".  
The element is "CHGINSSHT".  
The element is "CHGLIST".  
The element is "CHGREC".  
The element is "DATE".  
The element is "DATEINC".  
The element is "DDCHAPTER".  
The element is "DDDESC".  
The element is "DDINDEX".  
The element is "DDINTRO".  
The element is "DDLIST".  
The element is "DOC".  
The element is "DOCIPB".  
The element is "DOCPART".  
The element is "DOCWP".  
The element is "ECPNO".  
The element is "FOREWORD".  
The element is "GLOSSARY".  
The element is "INDEX".  
The element is "INSERTPG".  
The element is "INTRO".  
The element is "PENAPP".  
The element is "PGNO".  
The element is "PREFACE".  
The element is "RATD".  
The element is "REAR".  
The element is "REINTEST".  
The element is "REMOVEPG".  
The element is "REPTTEST".  
The element is "SECTION".  
The element is "SHORTTITLE".  
The element is "TYPENO".

<!-- \*\*Warning\*\* in "\xgml\9479.dtd", line 252:

An element name specified in a USEMAP declaration, ATTLIST declaration or content model is not defined by an ELEMENT declaration.  
The element name is "UNIT".

-->

<!-- \*\*Warning\*\* in "\xgml\9479.dtd", line 252:

An element is not allowed in the document instance because it does not appear in any accessible content model or it is completely excluded.  
The element is "VOLUME".

-->

The element is "WARNPAGE".

The element is "WP".

-->

```
<!-- Capacity points/limits:
      TOTALCAP =253348/275000
      ENTCAP   =13568/200000
      ENTCHCAP =20329/70000
      ELEMCAP  =9280/70000
      GRPCAP   =73184/100000
      EXGRPCAP =1696/70000
      EXNMCAP  =4320/70000
      ATTCAP   =93920/200000
      ATTCHCAP =2232/70000
      AVGRPCAP =34560/70000
      NOTCAP   =96/70000
      NOTCHCAP =163/70000
      IDCAP    =0/70000
      IDREFCAP =0/70000
      MAPCAP   =0/70000
      LKSETCAP =0/70000
      LKNMCAP  =0/70000
```

-->

```
<!-- 0 errors and 59 warnings reported. -->
```

## 6.2 Exoterica XGMLNormalizer Parser

C:\XGML\XGMLNORM.EXE --

Warning on line 252 in file 9479.dtd:

An undeclared element name was used in a content model.

The element is 'UNIT'.

## 6.3 Public Domain sgmls Log

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
Warning at c:\ws\807b.dtd, line 31 in declaration parameter 4:  
Duplicate specification occurred for "%frnt"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
Warning at c:\ws\807b.dtd, line 45 in declaration parameter 4:  
Duplicate specification occurred for "%yesorno"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
Warning at c:\ws\807b.dtd, line 90 in declaration parameter 4:  
Duplicate specification occurred for "%ipbforwd"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 18 in declaration parameter 4:  
Duplicate specification occurred for "%math"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 33 in declaration parameter 4:  
Duplicate specification occurred for "%mathtxt"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 37 in declaration parameter 4:  
Duplicate specification occurred for "%shortitleuse"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 45 in declaration parameter 4:  
Duplicate specification occurred for "%shortitle"; duplicate ignored

---

---

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 47 in declaration parameter 4:  
Duplicate specification occurred for "%yesorno"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 60 in declaration parameter 4:  
Duplicate specification occurred for "%itemid"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 69 in declaration parameter 4:  
Duplicate specification occurred for "%content"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 80 in declaration parameter 4:  
Duplicate specification occurred for "%bodyatt"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 82 in declaration parameter 4:  
Duplicate specification occurred for "%list"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 86 in declaration parameter 4:  
Duplicate specification occurred for "%spcpara"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 109 in declaration parameter 4:  
Duplicate specification occurred for "%frnt"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 118 in declaration parameter 4:  
Duplicate specification occurred for "%fpi"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 126 in declaration parameter 4:  
Duplicate specification occurred for "%titles"; duplicate ignored

---

---

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 134 in declaration parameter 4:  
Duplicate specification occurred for "%fig"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 165 in declaration parameter 4:  
Duplicate specification occurred for "%bodyele"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 204 in declaration parameter 4:  
Duplicate specification occurred for "%graphatt"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 238 in declaration parameter 4:  
Duplicate specification occurred for "%entryatt"; duplicate ignored

sgmls: In file included at \ws\9479.dtd, line 37:  
In file included at c:\ws\929a.dtd, line 205:  
In file included at c:\ws\807b.dtd, line 103:  
Warning at i:\dtd\784c.dtd, line 248 in declaration parameter 4:  
Duplicate specification occurred for "%lrp"; duplicate ignored

sgmls: Warning at \ws\9479.dtd, line 180 at record end:  
Element "UNIT" used in DTD but not defined

sgmls: SGML error:  
Capacity limit TOTALCAP exceeded by 50353 points

TOTALCAP 250353  
ENTCAP 13568  
ENTCHCAP 17302  
ELEMCA 9280  
GRPCAP 73184  
EXGRPCAP 1728  
EXNMCA 4320  
ATTCAP 93920  
ATTCHCAP 2232  
AVGRPCAP 34560  
NOTCAP 96  
NOTCHCAP 163  
IDCAP 0  
IDREFCAP 0  
MAPCAP 0  
LKSETCAP 0  
LKNMCA 0

---

## 6.4 Sema Mark-it Parser Log

```
<!--*** file:\xgml\9479.dtd line:187 pos:6298
Unknown parameter entity name (wp) used in reference.
If name is spelt correctly check that the entity declaration in the DTD
contains a PERO (e.g. %) symbol followed by a space.-->

<!--*** file:\xgml\9479.dtd line:187 pos:6301
Syntax error. Valid tokens at this point are: Ee s pero dtgo name grpo rniPCDATA .-->

<!--*** file:\xgml\9479.dtd line:187 pos:6334
Syntax error. Valid tokens at this point are: Ee s mdo_mdc mdo_com pio mdo_dso pero ms
dsc mdoNOTATION mdoENTITY mdoELEMENT mdoSHORTREF mdoATTLIST mdoUSEMAP .-->

<!--*** file:\xgml\9479.dtd line:188 pos:6370
Syntax error. Valid tokens at this point are: Ee s mdo_mdc mdo_com pio mdo_dso pero ms
dsc mdoNOTATION mdoENTITY mdoELEMENT mdoSHORTREF mdoATTLIST mdoUSEMAP .-->

<!--*** file:\xgml\9479.dtd line:188 pos:6401
Syntax error. Valid tokens at this point are: Ee s mdo_mdc mdo_com pio mdo_dso pero ms
dsc mdoNOTATION mdoENTITY mdoELEMENT mdoSHORTREF mdoATTLIST mdoUSEMAP .-->

<!--*** file:\xgml\9479.dtd line:188 pos:6410
Syntax error. Valid tokens at this point are: Ee s mdo_mdc mdo_com pio mdo_dso pero ms
dsc mdoNOTATION mdoENTITY mdoELEMENT mdoSHORTREF mdoATTLIST mdoUSEMAP .-->

<!--*** file:\xgml\9479.dtd line:189 pos:6445
Syntax error. Valid tokens at this point are: Ee s mdo_mdc mdo_com pio mdo_dso pero ms
dsc mdoNOTATION mdoENTITY mdoELEMENT mdoSHORTREF mdoATTLIST mdoUSEMAP .-->

<!--*** file:\xgml\9479.dtd line:189 pos:6456
Syntax error. Valid tokens at this point are: Ee s mdo_mdc mdo_com pio mdo_dso pero ms
dsc mdoNOTATION mdoENTITY mdoELEMENT mdoSHORTREF mdoATTLIST mdoUSEMAP .-->

<!--*** file:\xgml\9479.dtd line:191 pos:6526
Illegal end of entity within a delimited text (e.g. a declaration).
ISO 8879 prohibits declarations that start in one entity and end in another.-->

ATTCNT --100-- 47
ATTSPLEN --960-- 0
BSEQLEN --960-- 0
DTAGLEN --16-- 0
DTEMPLN --16-- 0
ENTLVL --16-- 3
GRPCNT --32-- 22
GRPGTCNT --96-- 27
GRPLVL --16-- 5
```

---

LITLEN --3048-- 730  
NAMELEN --32-- 13  
NORMSEP --2-- 0  
PILEN --240-- 0  
TAGLEN --960-- 0  
TAGLVL --24-- 0  
MSDLVL --24-- 1  
TOTALCAP --275000-- 169239  
ENTCAP --200000-- 16256  
ENTCHCAP --70000-- 11844  
ELEMCAPI --70000-- 6304  
GRPCAP --100000-- 46464  
EXGRPCAP --70000-- 896  
EXNMCAPI --70000-- 1440  
ATTCAP --200000-- 61504  
ATTCHCAP --70000-- 1491  
AVGRPCAP --70000-- 22784  
NOTCAP --70000-- 96  
NOTCHCAP --70000-- 160  
IDCAP --70000-- 0  
IDREFCAP --70000-- 0  
MAPCAP --70000-- 0  
LKSETCAP --70000-- 0  
LKNMCAPI --70000-- 0

## 6.5 D929AJ0.DTD

<!-- \*\*\*\*\* START OF FILE \*\*\*\*\* -->

<!-- SUPPLEMENT NOTICE: This file is made available to provide the user with a digital representation of the DTD found in Appendix J of MIL-M-87929A. This file is incomplete without MIL-M-87929A. -->

<!-- NOTE: The start and end of this file are marked with a row of asterisks. If these rows are not present the file may not be complete! -->

<!-- MIL-M-87929A Parachute Packing Procedures DTD -->

<!-- The following set of declarations may be referred to by using a public entity as follows:

<!ENTITY % m87929pp PUBLIC "-//USA-DOD//DTD MIL-M-87929A PP//EN" >  
%m87929pp;  
-->

<!-- NOTE: In order to parse the following DTD subset alone, append the following statement to the beginning of the file:

<!DOCTYPE docpp [

and the associated "]>" to the end of the file. -->

<!-- ENTITY DECLARATIONS -->

<!ENTITY % m87929a PUBLIC "-//USA-DOD//DTD MIL-M-87929A//EN" >

<!ENTITY genwarn "<warning><para> When an abnormal condition is noted and pertinent procedures contained herein do not specifically relate to the noted irregularity, work shall be stopped and technically qualified guidance shall be obtained before continuing the operation. </warning>" >

%m87929a;

<!-- ELEMENT and ATTRIBUTE LIST DECLARATIONS -->

<!ELEMENT cleaning - o (%parazero;) >  
<!ATTLIST cleaning  
tocentry %yesorno; "1"  
shortentry %yesorno; "0"  
verified %yesorno; "0"  
%bodyatt;  
%secur; >



---

<!ELEMENT compinsp	- o (%parazero;) >
<!ATTLIST compinsp	tocentry %yesorno; "1"
	shortentry %yesorno; "0"
	verified %yesorno; "0"
	%bodyatt;
	%secur; >
<!ELEMENT corract	- o (%nparcon;, subpara2*) >
<!ATTLIST corract	tocentry %yesorno; "1"
	shortentry %yesorno; "0"
	verified %yesorno; "0"
	%bodyatt;
	%secur; >
<!ELEMENT detrep	- o (%parazero;) +(mattable) >
<!ATTLIST detrep	tocentry %yesorno; "1"
	shortentry %yesorno; "0"
	verified %yesorno; "0"
	%bodyatt;
	%secur; >
<!ELEMENT docpp	- - (front, aiwp, forewordwp, sttecwp, inspwp, repwp,
	packwp, ipbwp?, ddwp?, foldsect?) +(pgbrk
	brk) >
<!ATTLIST docpp	service %service; 'AF'
	%docatt;
	%secur; >
<!ELEMENT estcost	- o (%parazero;) >
<!ATTLIST estcost	tocentry %yesorno; "1"
	shortentry %yesorno; "0"
	verified %yesorno; "0"
	%bodyatt;
	%secur; >
<!ELEMENT faceqp	- o (%parazero;) >
<!ATTLIST faceqp	tocentry %yesorno; "1"
	shortentry %yesorno; "0"
	verified %yesorno; "0"
	%bodyatt;
	%secur; >
<!ELEMENT functest	- o (%nparcon;, subpara2*) >
<!ATTLIST functest	tocentry %yesorno; "1"
	shortentry %yesorno; "0"
	verified %yesorno; "0"
	%bodyatt;
	%secur; >

---

---

```

<!ELEMENT general      - o (%parazero;) >
<!ATTLIST general      tocentry %yesorno; "1"
                        shortentry %yesorno; "0"
                        verified %yesorno; "0"
                        %bodyatt;
                        %secur; >

<!ELEMENT inspper      - o (para0, table, inspprior, perextinsp,
                        percompinsp) >
<!ATTLIST inspper      %secur; >

<!ELEMENT inspprior    - o (%nparcon;, subpara2*) >
<!ATTLIST inspprior    tocentry %yesorno; "1"
                        shortentry %yesorno; "0"
                        verified %yesorno; "0"
                        %bodyatt;
                        %secur; >

<!ELEMENT inspwp       - - (%wp;, wpforewd, safesum?, ((general, inspper,
                        prefinsp, compinsp) | swp*)) +(figure | table
                        | foldout) >
<!ATTLIST inspwp       chgno NUMBER "0"
                        %bodyatt;
                        %secur; >

<!ELEMENT material     - o (%text;) >
<!ATTLIST material     %secur; >

<!ELEMENT mattable     - - ((nomen, item, material, spec)+) >
<!ATTLIST mattable     tocentry %yesorno; "1"
                        shortentry %yesorno; "0"
                        verified %yesorno; "0"
                        %bodyatt;
                        %secur; >

<!ELEMENT packing      - o (%parazero;) >
<!ATTLIST packing      tocentry %yesorno; "1"
                        shortentry %yesorno; "0"
                        verified %yesorno; "0"
                        %bodyatt;
                        %secur; >

<!ELEMENT packwp       - - (%wp;, wpforewd, safesum?, faceqp, packing,
                        para0*) +(figure | table | foldout) >
<!ATTLIST packwp       chgno NUMBER "0"
                        %bodyatt;
                        %secur; >

```

---

---

```
<!ELEMENT percompinsp      - o (%nparcon;, subpara2*) >
<!ATTLIST percompinsp      tocentry %yesorno; "1"
                             shortentry %yesorno; "0"
                             verified %yesorno; "0"
                             %bodyatt;
                             %secur; >

<!ELEMENT perextinsp      - o (%nparcon;, subpara2*) >
<!ATTLIST perextinsp      tocentry %yesorno; "1"
                             shortentry %yesorno; "0"
                             verified %yesorno; "0"
                             %bodyatt;
                             %secur; >

<!ELEMENT prefinsp      - o (%parazero;) >
<!ATTLIST prefinsp      tocentry %yesorno; "1"
                             shortentry %yesorno; "0"
                             verified %yesorno; "0"
                             %bodyatt;
                             %secur; >

<!ELEMENT repwp      - - (%wp;, wpforewd, safesum?, estcost, detrep,
                             cleaning, testing) +(figure | table | foldout) >
<!ATTLIST repwp      chgno NUMBER "0"
                             %bodyatt;
                             %secur; >

<!ELEMENT testing      - o (%parazero;, (functest, corraact)+) >
<!ATTLIST testing      tocentry %yesorno; "1"
                             shortentry %yesorno; "0"
                             verified %yesorno; "0"
                             %bodyatt;
                             %secur; >

<!-- ***** END OF FILE ***** -->
```

---